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Circular No. 16—Radio

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

Forecast Division

Washington, D. C., January 26, 1928

Effective on and after February 1, 1928, the U. S. Weather Bureau will broadcast weather reports, forecasts, and warnings in *International Morse Code*, in accordance with the following schedule. The broadcasts will be made directly from the Weather Bureau office in Washington, D. C., in cooperation with the Office of Communications of the Navy Department, by distant control connection with the Naval Radio Station (NAA) at Arlington, Va.

SCHEDULES IN EASTERN STANDARD TIME
(75th Meridian Time)

(*a*) 8:15 a. m.—Current weather observations from stations in the United States, Canada, and Alaska. Broadcast simultaneously on frequencies of 4,015, 8,030, and 12,045 kilocycles. (74.7, 37.4, and 24.9 meters, respectively.)

(*b*) 10 a. m.—Bulletin containing weather reports, information, forecasts, and storm warnings for the benefit of marine and aviation interests. Broadcast simultaneously on frequencies of 112 and 16,060 kilocycles. (2,677 and 18.6 meters, respectively.)

(*c*) 11 a. m.—Observation reports from selected United States and Canadian land stations, and Atlantic ship reports, for the benefit of European meteorological services. Broadcast on a frequency of 12,045 kilocycles. (24.9 meters.)

(*d*) 8:15 p. m.—Current weather observations from stations in the United States, Canada, and Alaska. Broadcast on a frequency of 4,015 kilocycles. (74.7 meters.)

(*e*) 10 p. m.—Immediately following the time signals. Bulletin containing weather reports, information, forecasts, and storm warnings for the benefit of marine and aviation interests. Broadcast simultaneously on frequencies of 36 and 112 kilocycles. (8,328 and 2,677 meters, respectively.)

(*f*) 11 p. m.—Observation reports from selected United States, Canadian, and Alaskan stations, and Atlantic ship reports, for the benefit of European meteorological services. Broadcast on a frequency of 4,015 kilocycles. (74.7 meters.)

The 8:15 a. m. (*a*) and 8:15 p. m. (*d*) broadcasts are made in the regular U. S. Weather Bureau word code, which can be easily translated by means of a code book (Weather Bureau Code, 1924, W. B. No. 814), copies of which may be procured from the Superintendent of Documents, Washington, D. C., at $1.25. They consist of weather observations of current date taken, respectively, at 8 a. m. and 8 p. m. at about 200 stations in the United States, Canada, and Alaska, and show sea-level barometric pressure, current temperature, wind direction, temperature (minimum in a. m. reports and maximum in p. m. reports), wind velocity, amount of precipitation, clouds (kind, direction, and rate of movement), and other data. These broadcasts are made for the benefit of Army, Navy, and commercial aviation fields, for business organizations, and as a general public service.

The 10 a. m. (*b*) and 10 p. m. (*e*) broadcasts are the regular marine and aviation bulletins heretofore broadcast at 10:30 a. m. and 10:30 p. m. A detailed description of these broadcasts appears in Weather Bureau Radio Circular No. 13, dated July 15, 1925.

The 11 a. m. (*c*) and 11 p. m (*f*) broadcasts are in the International Numeral Code and are primarily intended for the benefit of European meteorological services. It forms a part of the system of international exchange of weather information and, in a more extended form, replaces what is known as the "Angot" Bulletin, heretofore transmitted at 4:30 p. m. and midnight. The broadcasts are repeated from the radio station on the Eiffel Tower in Paris. They consist, respectively, of 8 a. m. and 8 p. m. observations of current date from 75 selected stations, and indicate the name of the station, barometric pressure in millibars, pressure change during preceding two hours, wind direction, state of weather, and temperature; also reports from ships in the western portion of the Atlantic Ocean. Information concerning the code used in these bulletins may be obtained upon application to the Weather Bureau at Washington, D. C.

C. F. Marvin

Chief of Bureau.

(WB—1-31-28—4,000)